

# SUBJECT INDEX - VOLUME 27

- Acrylonitriles
  - arachidonic acid metabolism 69
- Adenosinediphosphate 615
- Airway
  - acetylcholine 939
  - FPL 55712 119
  - histamine 939 505
  - 6-keto-prostaglandin E<sub>1</sub> 505
  - leukotriene C<sub>4</sub> 939
  - leukotriene D<sub>4</sub> 119, 939
  - propranolol 119
  - prostaglandin E<sub>1</sub> 505
  - prostaglandin I<sub>2</sub> 505
- Amnion
  - culture 421
  - isoproterenol 37
  - prostaglandin E<sub>2</sub> 421
- Angiotensin II
  - femoral artery 807
  - renal artery 807
- Antidiuretic hormone
  - thromboxane B<sub>2</sub> 257
- Aorta
  - cyclooxygenase inhibitors 181
  - diabetes 111
  - endothelial relaxing factor 181, 195
  - lipoxigenase inhibition 181
  - thromboxane 105
  - vaso-active intestinal polypeptide 195
- Arachidonic acid
  - hydrocortisone 335
  - hypertension 375
  - immunoglobulin E 335
  - mast cells 335
  - metabolism, fetal membrane 27
  - metabolites 361
- Arachidonic acid metabolism 69
  - endometrium 821
- Blood pressure
  - 6-keto-prostaglandin E<sub>1</sub> 505
  - prostaglandin E<sub>1</sub> 505
  - prostaglandin E<sub>2</sub> analogue 273
  - prostaglandin I<sub>2</sub> 505, 527
- Bone
  - prostaglandin E<sub>2</sub> 97
- Calcitonin
  - monocytes 771
- Cardiac output
  - prostaglandin I<sub>2</sub> 527
- Cell culture
  - endometrium 821
- Cell growth
  - prostaglandin D<sub>2</sub> 517

# SUBJECT INDEX (continued)

- Cervix, prostaglandin E<sub>2</sub> 429
- Colchicine 563
- Convulsio
  - indomethacin 913
  - prostaglandin E<sub>2</sub> 725
- Corpora lutea, prostaglandin F<sub>2α</sub> 465
- Cyclooxygenase inhibition 245, 543
- teratogenesis 659
  
- Diabetes 147
  - prostacyclin 111
  - thromboxane 111
- 55,125-Dihydroxyicosatetraenoic acid (55,125-DiHETE)
  - analysis 356
- 55,155-Dihydroxyicosatetraenoic acid (55,125-DiHETE)
  - analysis 356
- DNA Polymerase, prostaglandin D<sub>2</sub> 517
  
- Eicosapentaenoic acid, hypertension 375
- Endometrium 591
  - cell culture 821
- Endothelial relaxing factor 181, 195
- Endothelium
  - adenosine diphosphate 615
  - cell culture 615
  - prostaglandin I<sub>2</sub> 615
- Enzyme immunoassay 366
- Estradiol
  - prostaglandin E<sub>2</sub> 591
  - prostaglandin F<sub>2α</sub> 591
- Ethamsylate 245
- Eye
  - leukotriene C<sub>4</sub> 5
  - leukotriene D<sub>4</sub> 5
  
- Fetal membranes
  - arachidonic acid metabolism 27
  - prostaglandin E<sub>2</sub> 37
  
- Gastrointestinal tract
  - prostaglandin E<sub>2</sub> 887
  
- Heart rate
  - prostaglandin E<sub>2</sub> analogue 273
- 15-Hydroperoxy eicosatetraenoic acid (15 HPETE)
  - iothalamate 753
- Hydroxyeicosatetraenoic acid (HETE)
  - fetal membrane 27
- 5-Hydroxyeicosatetraenoic acid (5-HETE)
  - analysis 356
  - neutrophils 563
- 12-Hydroxyeicosatetraenoic acid (12-HETE)
  - analysis 356
- 15-Hydroxyeicosatetraenoic acid (15-HETE)
  - analysis 356

# SUBJECT INDEX (continued)

- Hydroxy polyunsaturated fatty acids
  - analysis 358
- Hydroxy-epoxy polyunsaturated fatty acids
  - analysis 358
- Hypertension
  - polyunsaturated fatty acids 375
  - rat 375
- Icosanoids
  - analysis 349
  - retina 203
- Ileum, leukotriene C<sub>4</sub> 483
- Inflammation 605
- Intraventricular hemorrhage 245
- Iothalamate
  - lipoxygenase 753
  - mannitol 753
- 6-Keto-prostaglandin E<sub>1</sub>
  - airway 505
  - blood pressure 505
  - platelets 505
  - rhinitis 505
- 6-Keto-prostaglandin F<sub>1α</sub>
  - adenosinediphosphate 615
  - calcitonin 771
  - convulsion 913
  - diabetes 111
  - endothelium 615
  - femoral artery 807
  - glucose 925
  - monocytes 771
  - pancreatic islets 925
  - placenta 87
  - pregnancy, human 87
  - renal artery 807
  - RHC 80267 673
  - thyrotropin 673
- 15-Keto-13,14-dihydro PGF<sub>2α</sub>
  - glucose 925
  - pancreatic islets 925
- Kidney
  - cortical slices 51
  - 1,25 dihydroxyvitamin D<sub>3</sub> 453
  - prostaglandin E<sub>2</sub> 453, 605
  - renal vein 605
  - thromboxane B<sub>2</sub> 605
- Leukotriene antagonist
  - FPL 55712 475

# SUBJECT INDEX (continued)

- Leukotriene B<sub>4</sub>
  - analysis 364, 368
  - bioassay 711
  - biological fluid 364
  - colchicine 563
  - FPL 55712 711
  - ileum 711
  - lung 711
  - macrophages 163
  - metabolism 899
  - metabolites 368
  - monosodium urate 563
  - pulmonary artery 475
  - pulmonary vein 475
  - urine 899
- Leukotriene B<sub>5</sub>
  - biological activity 217
- Leukotriene C<sub>4</sub>
  - airway 939
  - allergy 369
  - analysis 368
  - aorta 181
  - binding sites 483, 961
  - biological fluid 369
  - blood flow, eye 5
  - fetal lung 961
  - ileum 483
  - intraocular pressure 5
  - mesenteric circulation 233
  - pulmonary artery 475
  - pulmonary vein 475
- Leukotriene D<sub>4</sub>
  - airway 119, 939
  - analysis 368
  - aorta 181
  - blood flow, eye 5
  - intraocular pressure 5
  - mesenteric circulation 233
  - nasal blood flow 599
  - pulmonary artery 475
  - pulmonary vein 475
  - propranolol 119
- Leukotriene E<sub>4</sub>
  - analysis 368
  - aorta 181
  - pulmonary artery 475
  - pulmonary vein 475
- Leukotriene F<sub>4</sub>
  - analysis 368
- Leukotrienes, cardiovascular system 781
- Linoleic acid, hypertension 375
- 5-Lipoxygenase, inhibition 553

# SUBJECT INDEX (continued)

## Lung

leukotriene C<sub>4</sub> 961  
 prostaglandin F<sub>2α</sub> 391

## Luteolysis

583  
 lipids 131  
 prostaglandin F<sub>2α</sub> 285, 299  
 prostaglandin F<sub>2α</sub> analogue 131

## Macrophages

alveolar 163  
 leukotriene B<sub>4</sub> 163  
 prostaglandin D<sub>2</sub> 163  
 prostaglandin E<sub>2</sub> 163  
 prostaglandin F<sub>2α</sub> 163  
 thromboxane B<sub>2</sub> 163

## Mass spectrometry

645

## Mast cells

arachidonic acid 335  
 deficient mutant mouse 877  
 hydrocortisone 335  
 prostaglandin D<sub>2</sub> 877

## Mesenteric artery

prostaglandin D<sub>2</sub> 407

## Mesenteric circulation

leukotriene C<sub>4</sub> 233  
 leukotriene D<sub>4</sub> 233

## Monocytes, calcitonin

771

## Monosodium urate

563

## Myometrium

prostaglandin E<sub>2</sub> 441  
 prostaglandin F<sub>2α</sub> 441  
 vasopressin 441

## Nasal mucosa

leukotriene D<sub>4</sub> 599

## Neutrophils

aggregation 217  
 chemokinesis 217  
 colchicine 563  
 lysosomal enzymes 217  
 monosodium urate 563

## Ovary, prostaglandin E<sub>2</sub> receptors

839

## Pancreatic islets, arachidonic acid metabolism

925

## Phospholipase A<sub>2</sub>

inhibition 553  
 insulin release 147

## Placenta

prostacyclin 87  
 thromboxane 87

# SUBJECT INDEX (continued)

Platelet activating factor		
prostaglandin E <sub>2</sub>	495	
prostaglandin I <sub>2</sub>	495	
Platelet aggregation	543, 683, 851	
6-keto-prostaglandin E <sub>1</sub>	505	
prostaglandin E <sub>1</sub>	505	
prostaglandin I <sub>2</sub>	505	
Platelets		
diabetes	111	
prostaglandin I <sub>2</sub>	321	
Polymorphonuclear leukocytes		
synovial cells	697	
Pregnancy		
6-keto-prostaglandin F <sub>1α</sub>	87	
hypertension	87	
prostaglandin F <sub>2α</sub>	311	
thromboxane B <sub>2</sub>	87	
Probenecid, thromboxane B <sub>2</sub>	257	
Progesterone		
corpora lutea	465	
prostaglandin E <sub>1</sub> analogue	583	
prostaglandin E <sub>2</sub>	591	
prostaglandin F <sub>2α</sub>	311, 465, 591	
Prostaglandin D <sub>2</sub>		
adrenergic nerve stimulation	407	
analysis	352, 645	
biological fluids	352	
convulsion	913	
DNA polymerase	517	
macrophages	163	
mastocytoma cells	517	
mast cells	877	
mesenteric artery	407	
metabolites	352	
platelet	683	
receptors	683	
tumor growth	17	
Prostaglandin E <sub>1</sub>		
airway	505	
blood pressure	505	
oviduct	737	
platelets	505	
rhinitis	505	
tumor growth	17	
Prostaglandin E <sub>1</sub> analogue		
luteolysis	583	
thymidine uptake	887	
uterus	761	
Prostaglandin E <sub>2</sub>		
amnion	37, 421	
analogue	273	
analysis	350, 364, 645	

# SUBJECT INDEX (continued)

## Prostaglandin E<sub>2</sub>

biological fluid 350, 364  
 blood pressure 273  
 bone 97  
 calcitonin 771  
 cervix 429  
 convulsion 725, 913  
 1,25 dihydroxyvitamin D<sub>3</sub> 453  
 endometrium 591  
 femoral artery 807  
 isoproterenol 37  
 glucose 925  
 kidney 453, 605  
 macrophages 163  
 metabolites 350  
 monocytes 771  
 myometrium 441  
 ovary, rat 839  
 oviduct 737  
 pancreatic islets 925  
 platelet activating factor 495  
 renal artery 807  
 Sarin 725  
 Soman 725  
 spontaneously hypertensive rats 273  
 synovial cells 697  
 vasopressin 441

## Prostaglandin F<sub>2α</sub>

analogue 131  
 analysis 350, 364, 366, 645  
 biological fluid 350, 364  
 choriongonadotrophin 465  
 convulsion 913  
 corpora lutea 465  
 endometrium 591  
 intratracheal pressure 391  
 lung 391  
 luteolysis 131  
 luteolysis, Rhesus monkey 285, 299  
 macrophages 163  
 metabolism 131  
 metabolites 350  
 myometrium 441  
 oviduct 737  
 pregnancy, mares 311  
 progesterone 311, 465  
 RHC 80267 673  
 receptors 391  
 thyrotropin 673  
 tumor growth 17  
 vasopressin 441

# SUBJECT INDEX (continued)

- Prostaglandin I<sub>2</sub>
  - airway 505
  - analogue 535
  - analysis 354, 364, 366
  - binding sites 321
  - biological fluid 354, 364
  - blood pressure 505, 527
  - cardiac output 527
  - in vivo assessment 655
  - metabolites 354
  - platelet activating factor 495
  - platelets 321, 505, 683
  - pulmonary circulation 535
  - receptors 683
  - renin 527
  - rhinitis 505
- Pulmonary artery
  - leukotrienes 475
- Pulmonary circulation
  - prostaglandin I<sub>2</sub> analogue 535
- Pulmonary vein
  - leukotrienes 475
- Renin
  - eicosatetraynoic acid 51
  - indomethacin 51
  - prostaglandin I<sub>2</sub> 527
- Retina, icosanoids 203
- Rhinitis
  - 6-keto-prostaglandin E<sub>1</sub> 505
  - prostaglandin E<sub>1</sub> 505
  - prostaglandin I<sub>2</sub> 505
- Stomach, thromboxane 105
- Synovial cells 697
- Teratogenesis
  - aspirin 659
  - cyclooxygenase inhibition 659
- Thromboxane
  - analysis 352
  - biological fluids 352
  - metabolites 352
- Thromboxane A<sub>2</sub>
  - agonist 105
  - analogue 865
  - analysis 364, 645
  - aorta 105
  - biological fluid 364
  - receptors 865
  - stomach 105



# SUBJECT INDEX (continued)

Thromboxane B <sub>2</sub>		
antidiuretic hormone	257	
calcitonin	771	
convulsion	913	
diabetes	111	
kidney	605	
macrophages	163	
monocytes	771	
placenta	87	
pregnancy, human	87	
probenecid	257	
urine	257	
vasopressin	257	
Thyroid, cyclooxygenase activity	673	
Tumor growth	17	
Uterus, prostaglandin E <sub>1</sub>	761	
Vaso-active intestinal polypeptide		
aorta	195	
Vasopressin		
myometrium	441	
prostaglandin E <sub>2</sub>	441	
prostaglandin F <sub>2α</sub>	441	

# AUTHOR INDEX - VOLUME 27

Abel, M.H.	591	Data, J.L.	51
Adaikan, P.G.	505	Davies, J.M.	195
Aertsens, W.	429	Debruvne, G.	429
Akerlund, M.	441	Decoster, J.-M.	429
Anceschi, M.M.	37	Defoort, P.	429
Andersen, N.H.	683	DeGeest, K.	429
Anderson, W.A.	553	Denis, D.	939
Archer, C.B.	495	Denton, D.A.	527
Armstead, W.M.	233	de Paulet, A.C.	69
Asquith, R.L.	311	Derom, R.	429
Auletta, F.J.	299	DeSchryver-Kecskemeti, K.	605
		DiRenzo, G.C.	37
Baird, D.T.	591	Dollery, C.T.	163
Banner, B.L.	553	Dore, J.C.	69
Barchowsky, A.	51	Duncan, C.C.	245
Batula-Bernardo, C.	553		
Bazan, N.G.	203	Elliott, W.J.	27
Bazer, F.W.	311		
Bende, M.	599	Fei, D.W.T.	527
Bergren, D.R.	391	Feuerstein, G.	781
Birkle, D.L.	203	Fiedler-Nagy, C.	553
Bisgaard, H.	369, 599	Ford-Hutchinson, A.W.	369
Blair, I.A.	163	Forstermann, U.	181, 913
Bleasdale, J.E.	37	Foster, A.	475
Bloch, M.H.	27	Franchi, A.M.	737
Boeynaems, J.M.	615	Frew, R.	725
Borgeat, P.	356	Frohlich, W.	495
Brown, W.	753	Frolich, J.C.	349, 354, 655
Brunden, M.N.	887	Fujii, G.	17
Bruno, J.J.	851		
Burke, G.	673	Galli, G.	361
		Galliani, G.	583
Caruso, D.	361	Gerike, U.	375
Casey, M.L.	421	Ghali, N.I.	543, 865
Caton, M.P.L.	761	Gibson, M.	299
Cepa, S.R.	645	Gilbert, J.	69
Cervoni, P.	273	Gilbertson, T.J.	887
Chang, L.	851	Gimeno, A.L.	737
Charleson, S.	369	Gimeno, M.F.	737
Chaud, M.	737	Glasser, A.	583
Christianson, C.A.	887	Godicke, W.	375
Chyun, Y.S.	97	Gonzalez, E.T.	737
Ciabatti, R.	583	Granstrom, E.	350
Clark, K.E.	659	Green, K.	627
Coceani, F.	535	Gustafson, J.M.	391
Coderre, J.A.	771	Guthrie, H.D.	131
Coffee, E.C.J.	761	Guzzi, U.	583
Coffey, J.W.	553		
Coghlan, J.P.	527	Hall, E.R.	645
Cohen, N.	553	Hambling, D.J.	761
Cole, P.J.	163	Hamilton, F.	535
Colombo, G.	583	Hanson, S.R.	683
Comptois, P.	939	Hardy, C.J.	761
Crews, F.T.	335	Harker, L.A.	683
Crooke, S.T.	961	Hashida, R.	697
Crowley, H.J.	483, 553	Hattori, S.	697

# AUTHOR INDEX (continued)

Heiman, A.S.	335	MacDermot, J.	163
Hertting, G.	913	MacDonald, D.M.	495
Herzlinger, H.	273	MacDonald, P.C.	421
Hirsh, P.D.	111	Makila, U.-M.	87
Hogaboom, G.K.	961	Mallarkey, G.	105
Hope, W.C.	553	Marx, M.M.	851
Hori, H.	697	Mason, R.T.	527
Hosono, M.	807	Ment, L.R.	245
Hubbard, W.C.	899	Mercklein, L.	69
Hung, S.C.	543, 865	Metz, S.A.	147
Hyman, A.L.	233	Michel, F.	69
		Michelangeli, V.P.	453
		Miquel, J.F.	69
Ikai, K.	877	Mitchell, M.D.	421
		Moncada, S.	217, 321
Jones, T.R.	939	Mong, S.	961
		Moritz, V.	375
Kadowitz, P.J.	233	Morley, J.	495
Kamps, D.L.	285	Morrison, A.R.	753
Karim, S.M.M.	505	Muller, R.	839
Kattelman, E.J.	865	Myers, D.L.	391
Kawamura, M.	517		
Kelly, K.L.	925	McGlynn, S.	105
Kelsey, C.R.	163	McLaughlin, L.L.	27
Kertesz, D.J.	851		
Kindahl, H.	350	Nagai, Y.	697
Kirchner, T.	119	Nakajima, M.	407
Klein, K.L.	659	Narumiya, S.	877
Kluge, A.F.	851	Neale, G.	821
Knight, R.K.	163	Needleman, P.	27, 605
Kobayashi, S.	697	Neufang, B.	181
Koshihara, Y.	517	Nicosia, S.	321, 483
Kostelec, M.	673	Nishino, H.	17
Kostrzewska, A.	441	Noah, M.L.	429
Kottogoda, S.R.	505		
Kuenzler, P.	851	Oates, J.A.	352, 899
		O'Donnell, M.	553
Lai, F.M.	273	Ogorochi, T.	877
Landon, D.N.	163	Ohsawa, S.	697
Lanthier, A.	465	Oliva, D.	483
Larkins, R.G.	453	Olley, P.M.	535
Lattermann, U.	839	Olsson, P.	599
Lau, L.C.	505	O-Yang, C.	851
Laudanski, T.	441		
Laychock, S.G.	925	Page, C.P.	495
LeBreton, G.C.	543, 865	Paifreyman, M.N.	761
Levasseur, S.	673	Paoletti, R.	311
Lewis, M.A.	961	Parewijek, W.	429
Li, T.	851	Patwardhan, V.V.	465
Liggins, G.C.	821	Paul, W.	495
Lippton, H.L.	233	Piper, P.J.	711
Lombroso, M.	321		
Lundberg, U.	563		
Lundy, P.M.	725		
Luzzani, F.	583		

# AUTHOR INDEX (continued)

Raisz, L.G.	97	Van Kets, H.	429
Richmond, R.	163	Venton, D.L.	543, 645, 865
Rigaud, M.	358	Vernon, M.W.	311
Roberts, L.J. II	352	Veroni, M.C.	453
Rosenblum, W.I.	111	Vessella, R.L.	961
Rosenkranz, B.	354, 655	Vesterqvist, O.	627
Rush, B.D.	887	Viggiano, M.	737
		Viinikka, L.	87
Sakai, T.	17		
Salmon, J.A.	217, 364	Waddell, K.A.	163
Samhoun, M.N.	711	Wark, J.D.	453
Samuelsson, B.	563	Waterman, R.A.	131
Satoh, H.	807	Weber, G.	553
Satoh, S.	807	Weichman, B.M.	119
Sautebin, L.	361	Weissmann, G.	563
Schellenberg, R.R.	475	Welton, A.F.	483, 553
Schindler, H.	839	Wesley, M.	299
Schnorff, K.E.	865	Whittle, B.J.R.	321
Schwartz, D.	605	Whitworth, J.A.	527
Scoggins, B.A.	527	Whorton, A.R.	51
Scott, Jr., W.J.	659	Williams, K.I.	195
Sears, M.	5	Wills, M.T.	683
Sekiguchi, M.	17	Wilson, T.	821
Serafin, W.E.	899	Wirth, M.	375
Seregi, A.	913	Wu, H.	961
Serhan, C.H.	563		
Sharp, D.C.	311	Yamaguchi, N.	17
Shepherd, C.	273	Yamamoto, S.	366
Sherk, T.	5	Ylikorkala, O.	87
Shiroko, Y.	17	Yokochi, K.	535
Shirota, H.	697	Yoshimatsu, K.	697
Sideris, E.	535		
Simko, B.A.	553	Zavy, M.T.	311
Singer, P.	375	Zipser, R.D.	257
Skinner, S.J.M.	821		
Smith, G.M.	105		
Smith, S.K.	591		
Smorlesi, C.	257		
Stewart, W.B.	245		
Stjerschantz, J.	5		
Stock, J.L.	771		
Stryd, R.P.	887		
Taft, J.L.	453		
Tai, M.Y.	505		
Tanikella, T.K.	273		
Taudorf, E.	369		
Tauk, N.	753		
Terano, T.	217		
Thiery, M.	429		
Toda, N.	407		
Tynan, S.S.	683		
VanCoevorden, A.	615		
Vanderkerckhove, F.	429		
Vane, J.R.	321		

